

the protective mechanism **5002**, this pivotal movement of the actuation member **5010** may cause the cover member **5018** to reveal the mechanism connector **5004**. The receivable device **5020** may slide toward the backstop member face **5007** until it is in a received position where it contacts the backstop member face **5007** and the device connector **5022** interfaces with the mechanism connector **5004** (FIG. 13g).

[0675] The progression from FIG. 13g to FIG. 13d depicts the reverse process wherein decoupling the receivable device **5020** from the protective mechanism **5002** may cause the actuation member **5010** to pivot from the second position to the first position under the force of an actuation spring **5012** and thereby cover the mechanism connector **5004**.

[0676] As should be understood by persons having ordinary skill in the art, the at least one protective mechanism **5002** may be designed such that the cover member **5020** is capable of pivoting from the protective position to the non-protective position as the receivable device **5020** slides towards the backstop member face **5007** and the mechanism connector **5004**. The pivotable-cover and clamshell mechanisms **2000**, **3000** described above are but two exemplary embodiments wherein the mechanical linkages and the constituent components are shaped and sized so as to pivot or otherwise move through their respective ranges of motion while the receivable device **5020** causes the actuation member **5010** to pivot as the receivable device **5020** coupled or decouples with a protective mechanism **5002**.

[0677] When the receivable device **5020** is in the received position, the latch member **5014** of the respective protective mechanism **5002** may pivot to a latched position such that the latch member projection **5016** engages the latch recess **5034** defined by a second face of the receivable device **5020**. In a preferred embodiment of the system for receiving a device **5000**, the latch recess **5034** may be disposed on the first face of the receivable device **5020** such that it is between the first channel **5030** and the second channel **5032**. Like the sloped face **5011**, the latch member projection **5016** may slope away from the plane of the guide member **5006** and towards the backstop member face **5007** such that the receivable device **5020** may cause the latch member projection **5016** and latch member **5014** to pivot out of the way as the receivable device **5020** slides towards the backstop member face **5007**. As described above with respect to the pivotable-cover and clamshell mechanisms **2000**, **3000** a latch spring **5019** may be used to automatically restore the latch member **5014** to the latched position when the receivable device **5020** is in the received position.

[0678] To decouple the receivable device **5020** from the protective mechanism **5002**, pivoting the latch member **5014** away from the latched position may cause the latch member projection **5016** to disengage from the latch recess **5034** and allow the receivable device **5020** to slide in the opposite direction away from the backstop member face **5007** and the mechanism connector **5004**. Pivoting the latch member **5014** away from the latched position may be achieved by manually pulling on a latch member release tab **5017** that is disposed on an opposite end portion of the latch member **5014** with respect to the latch member projection **5016**. Where the latch member release tab **5017** is on an opposite side of the latch member pivot point **5015** with respect to the latch member projection **5016**, pulling towards the mechanism connector **5004** causes the latch member projection **5016** to disengage from the latch recess **5034**.

[0679] Various alternatives and modifications can be devised by those skilled in the art without departing from the disclosure. Accordingly, the present disclosure is intended to embrace all such alternatives, modifications and variances. Additionally, while several embodiments of the present disclosure have been shown in the drawings and/or discussed herein, it is not intended that the disclosure be limited thereto, as it is intended that the disclosure be as broad in scope as the art will allow and that the specification be read likewise. Therefore, the above description should not be construed as limiting, but merely as exemplifications of particular embodiments. And, those skilled in the art will envision other modifications within the scope and spirit of the claims appended hereto. Other elements, steps, methods and techniques that are insubstantially different from those described above and/or in the appended claims are also intended to be within the scope of the disclosure.

[0680] The embodiments shown in drawings are presented only to demonstrate certain examples of the disclosure. And, the drawings described are only illustrative and are non-limiting. In the drawings, for illustrative purposes, the size of some of the elements may be exaggerated and not drawn to a particular scale. Additionally, elements shown within the drawings that have the same numbers may be identical elements or may be similar elements, depending on the context.

[0681] Where the term “comprising” is used in the present description and claims, it does not exclude other elements or steps. Where an indefinite or definite article is used when referring to a singular noun, e.g. “a” “an” or “the”, this includes a plural of that noun unless something otherwise is specifically stated. Hence, the term “comprising” should not be interpreted as being restricted to the items listed thereafter; it does not exclude other elements or steps, and so the scope of the expression “a device comprising items A and B” should not be limited to devices consisting only of components A and B. This expression signifies that, with respect to the present disclosure, the only relevant components of the device are A and B.

[0682] Furthermore, the terms “first”, “second”, “third” and the like, whether used in the description or in the claims, are provided for distinguishing between similar elements and not necessarily for describing a sequential or chronological order. It is to be understood that the terms so used are interchangeable under appropriate circumstances (unless clearly disclosed otherwise) and that the embodiments of the disclosure described herein are capable of operation in other sequences and/or arrangements than are described or illustrated herein.

What is claimed is:

1. A protective mechanism comprising:

a guide member;

a connector;

an actuation member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member;

a cover member pivotally coupled to the guide member and configured to interact with the actuation member so as to pivot to uncover the connector when the actuation member pivots in a first direction and to pivot to cover the connector when the actuation member pivots in a second direction;